

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	framer with multiplexer with VC	USPAT	OR	OFF	2009/10/26 14:04
L3	0	framer with multiplexer with VC	US-PGPUB; USPAT	OR	OFF	2009/10/26 14:04
L4	25	fram\$4 with multiplexer with VC	US-PGPUB; USPAT	OR	OFF	2009/10/26 14:04
L5	5	("5457691"   "6075796"   "6636529"   "6836791"   "6956852").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 14:07
L6	12550	video with audio with voice	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 14:45
L7	6915	video with audio with voice with data	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 14:46
L8	78	7 and SDH	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 14:46
L9	319	STM with fram\$3 with overhead	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 15:16
L10	10	STM with framer with overhead	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 15:17
L41	1393	time adj division adj multiplexer	US-PGPUB; USPAT	OR	OFF	2009/10/26 15:37
L42	6	41 with SDH	US-PGPUB; USPAT	OR	OFF	2009/10/26 15:37
L43	161	TDM with SDM	US-PGPUB; USPAT	OR	OFF	2009/10/26 15:39
L44	191	TDM with STM	US-PGPUB; USPAT	OR	OFF	2009/10/26 15:40
L45	222	TDM with OLT	US-PGPUB; USPAT	OR	OFF	2009/10/26 15:44
L46	102	45 and packets	US-PGPUB; USPAT	OR	OFF	2009/10/26 15:44
L56	471	TDM with de\$1multiplexer	US-PGPUB; USPAT	OR	OFF	2009/10/26 16:11
L57	102	45 and 46	US-PGPUB; USPAT	OR	OFF	2009/10/26 16:11
L58	1	46 and 56	US-PGPUB; USPAT	OR	OFF	2009/10/26 16:11
L59	297	time near division near de \$1multiplexer	US-PGPUB; USPAT	OR	OFF	2009/10/26 16:14
L60	19	59 and (OLT or ONU)	US-PGPUB; USPAT	OR	OFF	2009/10/26 16:15

L61	44	adaption adj module	US-PGPUB; USPAT	OR	OFF	2009/10/26 16:53
L62	3	adaption adj (module or unit) with rate with format	US-PGPUB; USPAT	OR	OFF	2009/10/26 16:57
L63	0	62 same control	US-PGPUB; USPAT	OR	OFF	2009/10/26 16:59
L64	49	adaption adj (module or unit) with (rate or format)	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:00
L65	1	62 same controller	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:01
L66	1	62 same switching	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:01
L67	2	62 same switch\$3	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:01
L68	1	62 same control\$4	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:02
L69	540	switching with granularity	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:05
L70	27	69 with determin\$3	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:05
L71	49	adaption adj (module or unit) with (rate or format)	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:16
L75	1743	398/52-64.ccls.	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:53
L76	25811	370/352-393.ccls.	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:54
L77	711725	76 or "77"	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:54
L78	27446	75 or 76	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:55
L79	463	TDM with demultiplexer	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:55
L80	96	78 and 79	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:55
L81	0	TDM with demultiplexer with combiner	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:55
L82	6	TDM with demultiplexer with splitter	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:56
S1	1	("20030090759").PN.	US-PGPUB; USPAT	OR	OFF	2009/10/09 16:47
S2	3	("20030081619"   "5708961"   "5880864"). PN.	US-PGPUB; USPAT	OR	OFF	2009/10/09 16:47
S3	4	S1 or S2	US-PGPUB; USPAT	OR	OFF	2009/10/09 16:47
S4	3	("20030081619"   "5708961"   "5880864"). PN.	US-PGPUB; USPAT	OR	OFF	2009/10/20 13:02

S5	87	((THOMAS) near2 (WHITEHEAD)).INV.	US-PGPUB; USPAT	OR	OFF	2009/10/20 16:10
S6	13	((THOMAS) near2 (WHITEHEAD)).INV.	EPO; JPO; DERWENT	OR	OFF	2009/10/20 16:10
S7	1	((SHUMIAO) near2 (JIANG)).INV.	US-PGPUB; USPAT	OR	OFF	2009/10/20 16:10
S8	2	((SHUMIAO) near2 (JIANG)).INV.	EPO; JPO; DERWENT	OR	OFF	2009/10/20 16:10
S9	1	codec with data adj card	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:13
S10	757	codec with gateway	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:13
S11	370	gateway same HFC	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:13
S12	582	gateway same optical adj network	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:14
S13	63	S10 and S11	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:14
S14	2456	370/400.ccls.	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:14
S15	0	S13 and S14	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:14
S16	0	S10 and S15	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:14
S17	1335	codec same gateway	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:14
S18	757	S10 and S17	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:14
S19	17	S17 and S14	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:14
S20	13	frame adj relay with GFP	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:19
S21	1	codec same GFP	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:23
S22	3	codec same3 GFP	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:23
S23	58	GFP same STM	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:25
S24	13139	HFC or hybrid near fiber near coaxial	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:25
S25	0	S23 and S24	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:25
S26	53	S23 and optic\$3	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:25
S27	4087	codec with (user or client)	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:34
S28	5	SONET same S27	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:35

S29	5	SONET same S27	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:35
S30	153	SONET and S27	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:35
S31	0	S27 same S23	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:36
S32	0	S27 and S23	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:36
S33	83	S24 and S27	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:37
S34	10	S24 same S27	US-PGPUB; USPAT	OR	OFF	2009/10/20 17:37
S35	223	SONET same3 CATV	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:21
S36	16	S35 same3 encapsula\$4	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:22
S37	18138	encapsulat\$4 same (customer or user)	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:22
S38	10	S36 and S37	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:22
S39	14341	S38 and HFC	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:22
S40	4	S38 and HFC	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:22
S41	42	codec with frame adj processing	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:28
S42	0	S41 and HFC	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:28
S43	0	S41 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:28
S44	68	codec same frame adj processing	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:29
S45	0	S44 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:29
S46	2	S44 and ATM	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:29
S47	3233	codec with frame	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:32
S48	109	S47 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:32
S49	17	S48 and HFC	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:33
S50	119	codec same frame adj process\$3	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:33
S51	109	S48 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:33
S52	2	S50 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 11:33

S53	1	codec same encapsulat\$ same optic\$4 with electric \$4	US-PGPUB; USPAT	OR	OFF	2009/10/21 14:49
S54	2657688	codec same2 encapsulat\$ same2 optic\$4 with2 electric\$4	US-PGPUB; USPAT	OR	OFF	2009/10/21 14:49
S55	8054	S54 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 14:49
S56	298	S55 and HFC	US-PGPUB; USPAT	OR	OFF	2009/10/21 14:49
S57	219	S56 and ATM	US-PGPUB; USPAT	OR	OFF	2009/10/21 14:49
S58	50	S57 and CDMA	US-PGPUB; USPAT	OR	OFF	2009/10/21 14:50
S59	58	GFP same STM	US-PGPUB; USPAT	OR	OFF	2009/10/21 14:51
S60	16	S59 same encapsulat\$4	US-PGPUB; USPAT	OR	OFF	2009/10/21 14:51
S61	35	codec with STM	US-PGPUB; USPAT	OR	OFF	2009/10/21 14:56
S62	4	S61 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 14:57
S63	150	(encoder or decoder) with STM	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:03
S64	15	(encoder and decoder) with STM	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:03
S65	6	S64 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:26
S66	49	(encoder and decoder) same STM	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:27
S67	17	S66 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:27
S68	586	OTU	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:33
S69	0	OTU near (headend or CO)	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:33
S70	1893639	Headend or CO	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:34
S71	4828	S70 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:34
S72	3514	S71 and switch	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:35
S73	393	S72 and encapsulat\$3 same (user or client)	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:35
S74	71	S72 and (encoder and decoder) same (user or client)	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:35
S75	13	S74 and S73	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:35

S76	235	(encoder and decoder or codec) with encapsulat\$4	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:39
S77	747	(encoder and decoder or codec) same encapsulat\$4	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:39
S78	2021	(optic\$4 with electric\$) same encapsulat\$4	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:40
S79	2	S77 and S78	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:40
S80	1345	multiplex\$3 with encapsulat\$3	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:43
S81	17	multiplex\$3 same encapsulat\$3 same map\$4 same STM	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:44
S82	6	((blahut) near2 (edgar)). INV.	US-PGPUB; USPAT	OR	OFF	2009/10/21 17:04
S83	29	ONU with encapsulat\$4	US-PGPUB; USPAT	OR	OFF	2009/10/21 17:09
S84	2025	(optic\$4 with electric\$ or O/E) same encapsulat\$4	US-PGPUB; USPAT	OR	OFF	2009/10/21 17:17
S85	2	S84 and S77	US-PGPUB; USPAT	OR	OFF	2009/10/21 17:17
S86	235	(encoder and decoder or codec) with encapsulat\$4	US-PGPUB; USPAT	OR	OFF	2009/10/21 17:18
S87	22	S86 and SONET	US-PGPUB; USPAT	OR	OFF	2009/10/21 17:18
S88	1	"20050111843"	USPAT	OR	OFF	2009/10/22 10:41
S89	2	"20050111843"	US-PGPUB; USPAT	OR	OFF	2009/10/22 10:42
S90	291	terminal adj processing adj unit	US-PGPUB; USPAT	OR	OFF	2009/10/22 10:44
S91	21	S90 with switch	US-PGPUB; USPAT	OR	OFF	2009/10/22 10:44
S92	862	OTU or optical adj transmission adj unit	US-PGPUB; USPAT	OR	OFF	2009/10/22 10:44
S93	282	optical adj transmission adj unit	US-PGPUB; USPAT	OR	OFF	2009/10/22 10:45
S94	1	S93 and S90	US-PGPUB; USPAT	OR	OFF	2009/10/22 10:45
S95	7	S92 and HFC	US-PGPUB; USPAT	OR	OFF	2009/10/22 10:46
S96	16795	STM switch with de \$1multiplex\$3	US-PGPUB; USPAT	OR	OFF	2009/10/22 12:34
S97	8	STM near switch with de \$1multiplex\$3	US-PGPUB; USPAT	OR	OFF	2009/10/22 12:34
S98	17	STM near switch with destination	US-PGPUB; USPAT	OR	OFF	2009/10/22 12:38
S99	0	STM near switch with destination same multiplex	US-PGPUB; USPAT	OR	OFF	2009/10/22 12:39

S100	1	STM near switch with destination same multiplex \$4	US-PGPUB; USPAT	OR	OFF	2009/10/22 12:39
S101	0	STM near switch with destination same de \$2multiplex\$4	US-PGPUB; USPAT	OR	OFF	2009/10/22 12:39
S102	0	STM near switch with destination same de \$2multiplex\$4	US-PGPUB; USPAT	OR	OFF	2009/10/22 12:39
S103	1	STM near switch same destination same de \$2multiplex\$4	US-PGPUB; USPAT	OR	OFF	2009/10/22 12:39
S104	80668	(codec or encoder same decoder)	US-PGPUB; USPAT	OR	OFF	2009/10/22 16:53
S105	285713	(encapsulat\$4 or framer or packet\$4)	US-PGPUB; USPAT	OR	OFF	2009/10/22 16:53
S106	30050	S104 and S105	US-PGPUB; USPAT	OR	OFF	2009/10/22 16:53
S107	8988	S104 same S105	US-PGPUB; USPAT	OR	OFF	2009/10/22 16:53
S108	188	S107 same optic\$3	US-PGPUB; USPAT	OR	OFF	2009/10/22 16:53
S109	27844	GFP or (generic near frame near protocol)	US-PGPUB; USPAT	OR	ON	2009/10/22 17:06
S110	258315	mapping	US-PGPUB; USPAT	OR	ON	2009/10/22 17:06
S111	10529	STM	US-PGPUB; USPAT	OR	ON	2009/10/22 17:06
S112	296	S109 and S110 and S111	US-PGPUB; USPAT	OR	ON	2009/10/22 17:06
S113	0	S112 and S108	US-PGPUB; USPAT	OR	ON	2009/10/22 17:06
S114	7	S112 and S106	US-PGPUB; USPAT	OR	ON	2009/10/22 17:07
S115	29	S109 same S110 same S111	US-PGPUB; USPAT	OR	ON	2009/10/22 17:42
S116	34	S112 and voice	US-PGPUB; USPAT	OR	ON	2009/10/22 18:07
S117	0	encapsulat\$4 same map\$3 same (multiplex\$4 or combin\$3) same STM near fram\$3	US-PGPUB; USPAT	OR	ON	2009/10/22 18:14
S118	230	encapsulat\$4 same map\$3 same (multiplex\$4 or combin\$3)	US-PGPUB; USPAT	OR	ON	2009/10/22 18:15
S119	33	S118 and voice	US-PGPUB; USPAT	OR	ON	2009/10/22 18:15
S120	343	STM near fram\$4	US-PGPUB; USPAT	OR	ON	2009/10/22 18:15

S121	0	S118 and S120	US-PGPUB; USPAT	OR	ON	2009/10/22 18:15
S122	16	STM near fram\$4 same voice	US-PGPUB; USPAT	OR	ON	2009/10/22 18:16
S123	1177	STM with fram\$4	US-PGPUB; USPAT	OR	ON	2009/10/22 18:16
S124	71	S123 same voice	US-PGPUB; USPAT	OR	ON	2009/10/22 18:16
S125	2	encapsulat\$4 same map\$3 same (mutiplex\$4 or combin\$3) same STM with framer	US-PGPUB; USPAT	OR	ON	2009/10/22 18:56
S126	230	encapsulat\$4 same map\$3 same (mutiplex\$4 or combin\$3)	US-PGPUB; USPAT	OR	ON	2009/10/22 19:00
S127	3	S126 same voice	US-PGPUB; USPAT	OR	ON	2009/10/22 19:00
S128	1	encapsulat\$4 same map\$3 same (mutiplex\$4)	US-PGPUB; USPAT	OR	ON	2009/10/22 19:01
S129	85	STM with framer	US-PGPUB; USPAT	OR	ON	2009/10/22 19:02
S130	541	"85" same mux	US-PGPUB; USPAT	OR	ON	2009/10/22 19:02
S131	34	S129 same multiplex\$4	US-PGPUB; USPAT	OR	ON	2009/10/22 19:03
S132	34322	switch with \$2multiplex\$4	US-PGPUB; USPAT	OR	OFF	2009/10/22 19:27
S133	22255	switch with (O/E or optic near electric or photo\$6)	US-PGPUB; USPAT	OR	OFF	2009/10/22 19:28
S134	3427	switch with (O/E or optic near electric or photodiode or photoreceiver)	US-PGPUB; USPAT	OR	OFF	2009/10/22 19:28
S135	37	S134 and STM	US-PGPUB; USPAT	OR	OFF	2009/10/22 19:28
S136	0	switch with destinationi	US-PGPUB; USPAT	OR	OFF	2009/10/22 19:29
S137	18945	switch with destination	US-PGPUB; USPAT	OR	OFF	2009/10/22 19:29
S138	136	S137 and S134	US-PGPUB; USPAT	OR	OFF	2009/10/22 19:29
S139	25	S137 same S134	US-PGPUB; USPAT	OR	OFF	2009/10/22 19:30
S140	3427	switch with (O/E or optic near electric or photodiode or photoreceiver)	US-PGPUB; USPAT	OR	OFF	2009/10/23 10:18
S141	18945	switch with destination	US-PGPUB; USPAT	OR	OFF	2009/10/23 10:18
S142	25	S141 same S140	US-PGPUB; USPAT	OR	OFF	2009/10/23 10:18



S143	17	S142 and multiplexing	US-PGPUB; USPAT	OR	OFF	2009/10/23 10:18
S144	1670	star with switch	US-PGPUB; USPAT	OR	OFF	2009/10/23 10:53
S145	0	S144 with mutiplexer	US-PGPUB; USPAT	OR	OFF	2009/10/23 10:53
S146	43	S144 with multiplexer	US-PGPUB; USPAT	OR	OFF	2009/10/23 10:53
S147	2512	multiplex\$4 with (encapuslat\$4 or packetiz \$4)	US-PGPUB; USPAT	OR	OFF	2009/10/23 11:01
S148	0	multiplex\$4 with (encapuslat\$4 with signals)	US-PGPUB; USPAT	OR	OFF	2009/10/23 11:02
S149	1351	multiplex\$4 with encapsulat \$4	US-PGPUB; USPAT	OR	OFF	2009/10/23 11:02
S150	0	S149 same star	US-PGPUB; USPAT	OR	OFF	2009/10/23 11:03
S151	58	S149 same voice	US-PGPUB; USPAT	OR	OFF	2009/10/23 11:03
S152	506	star with multiplexer	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:48
S153	27	S152 same voice	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:48
S154	13883	user with multiplex\$4	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:52
S155	943	S154 same voice	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:52
S156	678	S155 and (encapsulate or packet\$4)	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:52
S157	676	S155 and (packet\$4)	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:52
S158	363	S155 same (packet\$4)	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:53
S159	305	S157 and optic\$3	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:53
S160	0	S159 and triple\$1play	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:53
S161	220	S159 and video	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:53
S162	138	S161 and audio	US-PGPUB; USPAT	OR	OFF	2009/10/23 15:54
S163	0	("2006/0018334").URPN.	USPAT	OR	OFF	2009/10/23 16:02
S164	563	multiplex\$4 with ONU	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:03
S165	15	S164 with voice	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:03
S166	15	S165 and optic\$3	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:03

S167	134	multiplex\$4 with ONU with (user or subscriber)	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:07
S168	11	S167 same voice	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:07
S169	11	S168 and optic\$3	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:07
S170	50	("4679227"   "4680773"   "4897831"   "4953210"   "5144651"   "5163131"   "5280586"   "5311578"   "5321722"   "5349635"   "5371534"   "5377188"   "5400322"   "5410343"   "5448566"   "5463382"   "5463661"   "5479447"   "5491720"   "5493609"   "5608764"   "5633890"   "5644573"   "5668857"   "5682419"   "5715277"   "5751914"   "5757803"   "5781617"   "5796808"   "5805669"   "5826198"   "5852655"   "5903608"   "5910970"   "5912921"   "5933454"   "5970088"   "6002722"   "6044107"   "6055268"   "6064693"   "6081517"   "6141354"   "6205208"   "6263016"   "6298065"   "6307836"   "6438226"   "6466586"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/23 16:09
S171	1447	multiplex with subscriber	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/23 16:12
S172	1278	multiplex with subscriber	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:12
S173	128	S172 with voice	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:12
S174	45	S173 and optic\$3	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:12
S175	90	multiplex near3 subscribers	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:13
S176	0	S175 with voice	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:13
S177	1	S175 same voice	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:13
S178	32	S175 and optic\$3	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:13
S179	58	multiplex near subscriber	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:25
S180	25	S179 and optical	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:25

S181	12	multiple with ONU with (mux or multiplex)	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:28
S182	304	OLT with switch	US-PGPUB; USPAT	OR	OFF	2009/10/23 16:34
S183	90	("5140585").URPN.	USPAT	OR	OFF	2009/10/23 16:52
S184	151	multiplex with demultiplex with switch	USPAT	OR	OFF	2009/10/23 16:55
S185	94	S184 and optical	USPAT	OR	OFF	2009/10/23 16:55
S186	42	S185 and WDM	USPAT	OR	OFF	2009/10/23 16:55
S187	1136	DWDM with WDM	USPAT	OR	OFF	2009/10/23 17:40
S188	0	DWDM with WDM with advantage	USPAT	OR	OFF	2009/10/23 17:41
S189	33	DWDM with WDM with advantage\$	USPAT	OR	OFF	2009/10/23 17:41
S190	0	WDM near upgrade with DWDM	US-PGPUB; USPAT	OR	OFF	2009/10/23 17:44
S191	5	WDM with upgrade with DWDM	US-PGPUB; USPAT	OR	OFF	2009/10/23 17:44
S192	8847	switch with gateway	US-PGPUB; USPAT	OR	OFF	2009/10/23 18:12
S193	254	switch with gateway with protocols	US-PGPUB; USPAT	OR	OFF	2009/10/23 18:13
S194	100	S193 and optical	US-PGPUB; USPAT	OR	OFF	2009/10/23 18:13
S195	16609	control with overhead	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:51
S196	36307	control same overhead	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:51
S197	48657	(controller or control with module) same user near interface	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:52
S198	149	S196 same S197	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:52
S199	122	S198 and (\$4phone)	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:53
S200	110	S199 and optical	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:53
S201	403	switch same adaption	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:56
S202	44	adaption with (rate and format)	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:56
S203	16	S201 and S202	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:56
S204	3	S203 and optical	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:56

S205	14	S203 and controller	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:59
S206	9	S205 and \$4phone	US-PGPUB; USPAT	OR	OFF	2009/10/26 08:59
S207	636	overhead with control with management	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:19
S208	335	S207 and (telephone or voice)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:19
S209	43	S207 same (telephone or voice)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:19
S210	24	S209 and optical	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:19
S211	155	S207 same (customer or user or interface)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:23
S212	32	S211 same (telephone or voice)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:23
S213	22	S212 and optical	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:23
S214	521	STM with overhead	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:27
S215	170	S214 and (telephone or voice)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:28
S216	2582	overhead same control same management	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:28
S217	155	S211 same (customer or user or interface)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:28
S218	155	S217 same (customer or user or interface)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:28
S219	4	S215 and S218	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:28
S220	1293	framing with overhead	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:30
S221	78	S216 and S220	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:31
S222	47	S221 and (telephone or voice)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:31
S223	763	overhead near (module or unit)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:35
S224	187	S223 and (telephone or phone or voice)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:35
S225	3607679	(control or command)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:37
S226	62	S225 with S223	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:37
S227	23	S226 and (telephone or phone or voice)	US-PGPUB; USPAT	OR	OFF	2009/10/26 09:37
S228	120044	(user or client or customer) with command	US-PGPUB; USPAT	OR	OFF	2009/10/26 10:04

S229	1872	command with overhead	US-PGPUB; USPAT	OR	OFF	2009/10/26 10:04
S230	141	S228 same S229	US-PGPUB; USPAT	OR	OFF	2009/10/26 10:04
S231	44	S230 and (telephone or phone or voice)	US-PGPUB; USPAT	OR	OFF	2009/10/26 10:04
S232	2	STM near framing near module	US-PGPUB; USPAT	OR	OFF	2009/10/26 11:21
S233	5	STM near framing	US-PGPUB; USPAT	OR	OFF	2009/10/26 11:21
S234	2	STM near framing same overhead	US-PGPUB; USPAT	OR	OFF	2009/10/26 11:21
S235	521	STM with overhead	US-PGPUB; USPAT	OR	OFF	2009/10/26 11:22
S236	20	S235 same (voice or phone or telephone)	US-PGPUB; USPAT	OR	OFF	2009/10/26 11:23
S237	10	STM with overhead with framer	US-PGPUB; USPAT	OR	OFF	2009/10/26 11:23
S238	0	S237 same (voice or phone or telephone)	US-PGPUB; USPAT	OR	OFF	2009/10/26 11:23
S239	159	STM with multiplexer	USPAT	OR	OFF	2009/10/26 12:24
S240	10	STM with multiplexer with VC	USPAT	OR	OFF	2009/10/26 12:24

**10/ 26/ 2009 5:56:49 PM**

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